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(modified) PTO/SB/51 (02-01)

Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**REISSUE APPLICATION: DECLARATION BY THE INVENTOR**

Docket Number (Optional)

18602-06222 (P2080R1)

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,996,036, granted November 30, 1999, and for which a reissue patent is sought on the invention entitled BUS TRANSACTION REORDERING IN A COMPUTER SYSTEM HAVING UNORDERED SLAVES

the specification of which

☐

is attached hereto.

☒

was filed on November 30, 2001 as reissue application number 10/006,939

and was amended on November 30, 2001 via Preliminary Amendment

(If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐

by reason of a defective specification or drawing.

☒

by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐

by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:


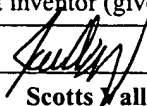
**This is a broadening reissue to remove limitations in the claims as issued, by which limitations the patentee claimed less than it had the right to claim in the patent. At least one error being relied upon as the basis for reissue is the failure to claim a method of avoiding deadlock in a computer system having a split-transaction bus and a single-envelope bus bridged by a bus bridge, the split-transaction bus and the single-envelope bus each having at least one master device and one slave device connected thereto, comprising: storing data from one or more accepted bus transactions; determining, prior to a request for a bus transaction from a requestor, if execution of such bus transaction would cause deadlock based on the stored data; and responsive to the determination that execution of the bus transaction would cause deadlock, sending a retry signal to the bus transaction requestor.**

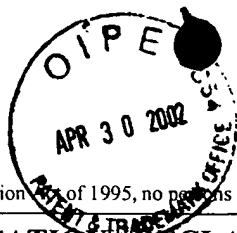
[Page 1 of 2]

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18602/06222/SF/5063925.1

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Docket Number (Optional)	
(REISSUE APPLICATION: DECLARATION BY THE INVENTOR, page 2) <span style="float: right;">18602-06222 (P2080R1)</span>	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.	
Names and Registration Numbers	
David L. Hayes, Reg. No. 34,838; Robert R. Sachs, Reg. No. 42,120; Kirk A. Gottlieb, Reg. No. 42,596; Amir H. Raubvogel, Reg. No. 37,070; Brian M. Hoffman, Reg. No. 39,713; Rajiv P. Patel, Reg. No. 39,327	
Correspondence Address: Direct all communications about the application to:	
<input checked="" type="checkbox"/> Customer Number	<div style="border: 1px solid black; padding: 5px; display: inline-block;">00758</div> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">  </div>
<i>Type Customer Number Here</i>	
<input type="checkbox"/> Firm or Individual Name	
Address	
Address	
City	State Zip
Country	
Telephone	Fax
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.	
Full name of sole or first inventor (given name, family name) <b>James D. Kelly</b>	
Inventor's Signature 	Date <b>18 APR 02</b>
Residence <b>Scotts Valley, California</b>	Citizenship <b>US</b>
Mailing Address <b>10 Torrey Oaks Court, Scotts Valley, California 95066</b>	
Full name of sole or second inventor (given name, family name) <b>Michael L. Regal</b>	
Inventor's Signature	Date
Residence <b>Pleasanton, California</b>	Citizenship <b>US</b>
Mailing Address <b>324 Brianne Court, Pleasanton, CA 94566</b>	
Full name of sole or third inventor (given name, family name)	
Inventor's Signature	Date
Residence	Citizenship
Mailing Address	
<input type="checkbox"/> Additional Patentees are named on separately numbered sheets attached hereto.	



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**REISSUE APPLICATION: DECLARATION BY THE INVENTOR**

Docket Number (Optional)

18602-06222 (P2080R1)

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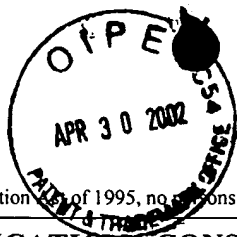
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18602/06222/SF/5063925.1

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Docket Number (Optional) <b>18602-06222 (P2080R1)</b>	
<b>(REISSUE APPLICATION: DECLARATION BY THE INVENTOR, page 2)</b>	
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<input type="checkbox"/> Firm or Individual Name	
Address	
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Country	
Telephone	Fax
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.	
Full name of sole or first inventor (given name, family name) <b>James D. Kelly</b>	
Inventor's Signature	Date
Residence <b>Scotts Valley, California</b>	Citizenship <b>US</b>
Mailing Address <b>10 Torrey Oaks Court, Scotts Valley, California 95066</b>	
Full name of sole or second inventor (given name, family name) <b>Michael L. Regal</b>	
Inventor's Signature <i>Michael L. Regal</i>	Date <b>04/04/2002</b>
Residence <b>Pleasanton, California</b>	Citizenship <b>US</b>
Mailing Address <b>324 Brienne Court, Pleasanton, CA 94566</b>	
Full name of sole or third inventor (given name, family name)	
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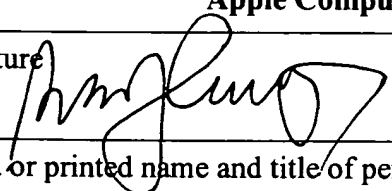
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PTO/SB/53 (10-00)

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<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		<b>Docket Number (Optional)</b> <b>18602-06222 (P2080R1)</b>	
This is part of the application for a reissue patent based on the original patent identified below.			
Name of Patentee(s) <b>James D. Kelly, Michael L. Regal</b>			
Patent Number <b>5,996,036</b>		Date Patent Issued <b>November 30, 1999</b>	
Title of Invention <b>BUS TRANSACTION REORDERING IN A COMPUTER SYSTEM HAVING UNORDERED SLAVES</b>			
1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)			
2. <input type="checkbox"/> Ownership of the patent is in the name of the inventor(s), and no assignment of the patent is in effect.			
One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee."			
The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.			
The assignee(s) owning an undivided interest in said original patent is <u><b>Apple Computer, Inc.</b></u> , and the assignee(s) consents to the accompanying application for reissue.			
Name of assignee <b>Apple Computer, Inc.</b>			
Signature 		Date <b>4-19-02</b>	
Typed or printed name and title of person signing for assignee (if assigned) <b>Richard J. Lutton, Jr., Assistant Secretary, Chief Patent Counsel</b>			

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## Certificate Under 37 CFR § 3.73(b)

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Applicants:

James D. Kelly *et al.*

Application No.:

10/006,939

Filing Date:

November 30, 2001

Name of Assignee:

Apple Computer, Inc.

Type of Assignee (e.g. corporation, partnership,  
university, government agency, etc.):

Corporation

The above-mentioned Assignee certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventorS of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 9859, Frame 0365, or for which a copy thereof is attached; OR

B. ☐ A chain of title from the inventorS, of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_  
To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel: \_\_\_\_\_ and Frame: \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_  
To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel: \_\_\_\_\_ and Frame: \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_  
To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel: \_\_\_\_\_ and Frame: \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

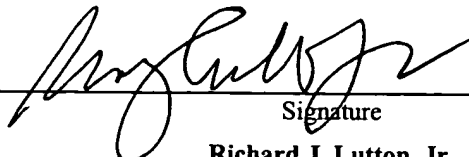
The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

4-19-02

Date



Signature

Richard J. Lutton, Jr.

Name

Assistant Secretary, Chief Patent Counsel

Title